Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Desilting of Drain and Removing and resetting Drains in ward no 5 surrounding area Byatarayanapura sub division

					Estimate Cost Rs.			50.00 Lakhs	
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).								
	Basic rate	105.00							
	6% AW	6.30							
	Sub Total	111.30							
	Ward 05								
	Top Slabs	2	90.00	0.90		162.00			
		2	80.00	0.90		144.00			
		2	70.00	0.90		126.00			
		2	90.00	0.90		162.00			
		2	100.00	0.90		180.00			
		2	80.00	0.90		144.00			
		2	100.00	0.90		180.00			
		2	90.00	0.90		162.00			
		2	70.00	0.90		126.00			
		2	150.00	0.90		270.00			
		2	70.00	0.90		126.00			
		2	100.00	0.90		180.00			
		2	110.00	0.90		198.00			
		2	80.00	0.90		144.00			
		2	100.00	0.90		180.00			
		2	80.00	0.90		144.00			
		2	80.00	0.90		144.00			
		2	70.00	0.90		126.00			
		2	50.00	0.90		90.00			
		2	80.00	0.90		144.00			
						3132.00			
	Bottom Slabs	2	90.00	1.55		279.00			
		2	80.00	1.55		248.00			
		2	70.00	1.55		217.00			
		2	90.00	1.55		279.00			
		2	100.00	1.55		310.00			
		2	80.00	1.55		248.00			
		2	100.00	1.55		310.00			
		2	90.00	1.55		279.00			
		2	70.00	1.55		217.00			
		2	150.00	1.55		465.00			
		2	70.00	1.55		217.00			
		2	100.00	1.55		310.00			
		2	110.00	1.55		341.00			
		2	80.00	1.55		248.00			
		2	100.00	1.55		310.00			
		2	80.00	1.55		248.00			

		2	80.00	1.55		248.00			
		2	70.00	1.55		217.00			
		2	50.00	1.55		155.00			
		2	80.00	1.55		248.00			
						5394.00			
						8526.00			
	Deduct 30% damaged					2557.80			
						5968.20			
	consider 40%					**2387.28**	**Sqm**	**111.30**	**265704.26**
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	180.00							
	Area weightage 6%	10.80							
	Sub total	190.80							
	Lead 5 km	**69.80**							
	Total	**260.60**							
	Desilting								
	4th Cross								
		2	90.00	0.60	0.60	64.80			
		2	80.00	0.60	0.60	57.60			
		2	70.00	0.60	0.60	50.40			
		2	90.00	0.60	0.60	64.80			
		2	100.00	0.60	0.60	72.00			
		2	80.00	0.60	0.60	57.60			
		2	100.00	0.60	0.60	72.00			
		2	90.00	0.60	0.60	64.80			
		2	70.00	0.60	0.60	50.40			
		2	150.00	0.60	0.60	108.00			
		2	70.00	0.60	0.60	50.40			
		2	100.00	0.60	0.60	72.00			
		2	110.00	0.60	0.60	79.20			
		2	80.00	0.60	0.60	57.60			
		2	100.00	0.60	0.60	72.00			
		2	80.00	0.60	0.60	57.60			
		2	80.00	0.60	0.60	57.60			
		2	70.00	0.60	0.60	50.40			
		2	50.00	0.60	0.60	36.00			
		2	80.00	0.60	0.60	57.60			
						1252.80	**Cum**	**260.60**	**326479.68**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. I.No.5.31.1, Page no 27								
	Basic rate	700.00							
	Area weightage 6%	42.00							
	Total	**742.00**							
	from item no.01 damaged bottom slabs					1618.20			
						1618.20	**Sqm**	**742.00**	**1200704.40**

	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Basic rate	5422.00							
	6% AW	325.32							
	Sub Total	5747.32							
	For Flagging Course P.C.C								
	Flagging Course missing/damaged	2	20.00	0.25	0.15	1.50			
		2	30.00	0.25	0.15	2.25			
		2	25.00	0.25	0.15	1.88			
		2	40.00	0.25	0.15	3.00			
		2	25.00	0.25	0.15	1.88			
		2	30.00	0.25	0.15	2.25			
		2	30.00	0.25	0.15	2.25			
		2	20.00	0.25	0.15	1.50			
		2	30.00	0.25	0.15	2.25			
		2	40.00	0.25	0.15	3.00			
	For Flagging Course Coping								
	Flagging Course missing/damaged	2	20.00	0.20	0.10	0.80			
		2	30.00	0.20	0.10	1.20			
		2	25.00	0.20	0.10	1.00			
		2	40.00	0.20	0.10	1.60			
		2	25.00	0.20	0.10	1.00			
		2	30.00	0.20	0.10	1.20			
		2	30.00	0.20	0.10	1.20			
		2	20.00	0.20	0.10	0.80			
		2	30.00	0.20	0.10	1.20			
		2	40.00	0.20	0.10	1.60			
						33.35	**Cum**	**5747.32**	**191673.12**
5	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.1, Page no 27								
	Basic rate	962.00							
	Area weightage 6%	57.72							
	Total	**1019.72**							
	Flagging Course								
	Flagging Course missing/damaged	2	20.00		0.40	16.00			
		2	30.00		0.40	24.00			
		2	25.00		0.40	20.00			
		2	40.00		0.40	32.00			
		2	25.00		0.40	20.00			
		2	30.00		0.40	24.00			
		2	30.00		0.40	24.00			

		2	20.00		0.40	16.00			
		2	30.00		0.40	24.00			
		2	40.00		0.40	32.00			
						232.00	**Sqm**	**1019.72**	**236575.04**
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete, 10 cms thick. Page No. 27/ Item No. 5.31.2 PWD SR 2018-19								
	Basic rate	912.00							
	Area weightage 6%	54.72							
	Total	**966.72**							
	from item no.01, damaged 40% BS slabs	939.60				375.84			
						375.84	**Sqm**	**966.72**	**363332.04**
7	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.26, I.No.5.17 of PW,P&IWTD SR 2018-19)								
	Basic rate	897.00							
	Area weightage 6%	53.82							
	Total	**950.82**							
	from item no.01, damaged 40% BS slabs	939.60				375.84			
						375.84	**Sqm**	**950.82**	**357356.19**
8	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	from item no.01, damaged 60% Precast slabs	939.60				563.76			
	missing slabs	162	0.90	0.60		87.48			
						651.24	**Sqm**	**2337.00**	**1521947.88**
								Total Construction Cost	**4463772.62**
								12% GST	**535652.71**
								Sub Total	**4999425.33**
								Miscellaneous & Rounding off	**574.67**
								GRAND TOTAL	**5000000.00**

Administrative Approval
Accorded For R.S.D. Walaechenahally
Head of A/C POSU1
CER NO : 88A **Dt:** 20.09.2019

TA CE (YNK)

Technical Sanction
Accorded For R.S.D. Walaechenahally
Head of A/C POSU1
CER NO : 89A **Dt:** 20.09.2019

TA CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
Yelahanka Project Division,
BBMP Bangalore

Asst. Exec. Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore